

DEPARTMENT OF EDUCATION-FSA
FMS INTEGRATION PARTNER
FORM FUNCTIONAL DESIGN



FORM 2000 MONTHLY/QUARTERLY FORM
RECONFIGURATION
TO 149 – FORM 2000 SYSTEM ENHANCEMENTS

Author: Kim Olszewski
Creation Date: October 20, 2003
Last Updated: November 12, 2003



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

TABLE OF CONTENTS

DOCUMENT CHANGE CONTROL	3
APPROVAL	3
SPECIFICATION	4
GENERAL REQUIREMENTS	5
BUSINESS OBJECTIVE:	5
COMPONENT DESCRIPTION:	5
COMPONENT RISKS:	6
DEVELOPMENT COMPLEXITY:	6
SECURITY CONCERNS:	6
ASSUMPTIONS:	7
DESIGN	7
PROCESS FLOW DIAGRAM:	7
DETAILED DESCRIPTION OF NEW/CHANGES TO EXISTING PROGRAM:	8
DATABASE OBJECTS:	12
DEPENDENCIES	20
DEPENDENCIES ON OTHER RICE COMPONENTS:	20
DEPENDENCIES ON OTHER BUSINESS COMPONENTS:	20
DESIGN CONSTRAINTS:	20
PERFORMANCE CONSIDERATIONS:	20
IMPLEMENTATION CONSIDERATIONS:	20
OTHER DEPENDENCIES/SPECIAL CONCERNS:	20
ERROR HANDLING	21
TESTING REQUIREMENTS	21
ISSUES AND ADDITIONAL CONSIDERATIONS	22



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

Document Change Control

Date	Author	Version	Change Reference
10-20-03	Kim Olszewski	1.0	Initial Creation

Approval

Created By:	Kim Olszewski	312-693-4918	Creation Date: 10/20/03
Project Lead Sign Off:	Joanna Zieba	312-693-3414	Sign Off Date: 11/12/03
FSA Representative Sign Off:	Jay Hurt	202-377-3453	Sign Off Date:



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

Specification

Program Name:	Form 2000 Monthly/Quarterly Form Reconfiguration
Functional Design Document ID & Title:	FORM2000_MONQUART_RECONFIG_FORM_FD
Application:	Form 2000 Monthly Form 2000 Quarterly (Monthly/Quarterly Form)
Priority:	High
Estimated Production Date:	April 2004
Other Affected Applications:	FP DataMart
Comments:	Modifications and Conversion of Monthly/Quarterly data is described in the Form 2000 Monthly/Quarterly Form Conversion Reconfiguration Functional Design.



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

General Requirements

Business Objective:

As part of TO 149, enhancements will be made to the existing Form 2000 Monthly and Monthly/Quarterly Reports (also referred to as Monthly and Monthly/Quarterly forms). These changes will reflect the need for all non-accounting activity to exist solely on the Monthly form. The purpose of this change is to improve the efficiency of the auditing process by eliminating all non-accounting activities from the Monthly/Quarterly form.

Currently, the Form 2000 Monthly form is composed of values MR-1 through MR-23. Additionally, the form contains “Amount DueTo/(From) Guarantor”, “Principal Amount”(Only MR-24 and MR-25), “Interest Amount”, and “Other Amount” for each field. The Monthly/Quarterly form currently displays fields MR-24 through MR-42. Since MR-24 (Collection Terminations), MR-25 (Compromises), and MR-26 (Agency Accruals) are non-accounting activities, these fields will be relocated to the Monthly form and removed from the Monthly Quarterly form. Since the Monthly/Quarterly form is used primarily for auditing purposes, the removal of fields MR-24, MR-25, and MR-26 will assist in streamlining the auditing process.

Component Description:

The modification of the physical appearance of the Monthly and Monthly/Quarterly forms consists of the following components:

- Transfer of the MR-24, MR-25, and MR-26 fields from the Monthly/Quarterly form to the Monthly form. (Requirement 3.1)
- Transfer any existing triggers on the MR-24, MR-25, MR-26 fields from the Monthly/Quarterly form to the Monthly form. (Requirement 3.2)
- Alter any existing code on both the Monthly and Monthly/Quarterly forms, to reference the Monthly table when MR-24, MR-25, or MR-26 exist as part of a calculation or validation. (Requirement 3.3)

The appearance of the Monthly form will be altered to incorporate the following fields:

- Agency Accrual Subheading
- MR-24
 - Item Number
 - Category Detail
 - Principal Amount
 - Interest Amount
 - Other Amount
- MR-25
 - Item Number
 - Category Detail
 - Principal Amount
 - Interest Amount
 - Other Amount
- MR-26
 - Item Number
 - Category Detail
 - Interest Amount
 - Other Amount

When incorporating the above fields into the Monthly form, the fields will be appended to the bottom of the existing Monthly form display. The font and size of the text display will remain consistent with the Monthly form. Text box size,



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

color, and attributes will also conform to the existing Monthly form. The Agency Accrual Subheading text box will span the length of the form, and will precede the MR-24, MR-25, and MR-26 rows.

The Monthly/Quarterly form will be modified to remove the following fields from the form display:

- MR-24
 - Item Number
 - Category Detail
 - Principal Amount
 - Interest Amount
 - Other Amount
- MR-25
 - Item Number
 - Category Detail
 - Principal Amount
 - Interest Amount
 - Other Amount
- MR-26
 - Item Number
 - Category Detail
 - Interest Amount
 - Other Amount

The Agency Accruals Subheading that already exists on the Monthly/Quarterly form will not be removed from the form. After removing the above fields from the Monthly/Quarterly form, the remaining fields (MR27 – MR42), will be shifted towards the top of the form, to eliminate the empty space previously occupied by the MR-24, MR-25, and MR-26 fields.

Once the appearance of each form has been altered, any program units, triggers, and edit validation applied to the MR-24, MR-25, and MR-26 fields on the Monthly/Quarterly form will be transferred to the Monthly form. The properties of each field will be analyzed to determine if any custom triggers are applied to those specific fields.

Throughout the Monthly and Monthly/Quarterly forms, validations exist for various fields. In some validations, references are made to the MR-24, MR-25, and MR-26 fields. Currently the Monthly and Monthly/Quarterly forms reference those fields as existing on the Monthly/Quarterly database table. Since the MR-24, MR-25, MR-26 fields are now being populated on the Monthly table the form logic will be altered to reflect this table change.

The Monthly form will be initially modified, using the Monthly/Quarterly as a reference. Once modification of the Monthly form modifications are complete, the Monthly/Quarterly form will be modified.

Component Risks:

None

Development Complexity:

High

Security Concerns:

None



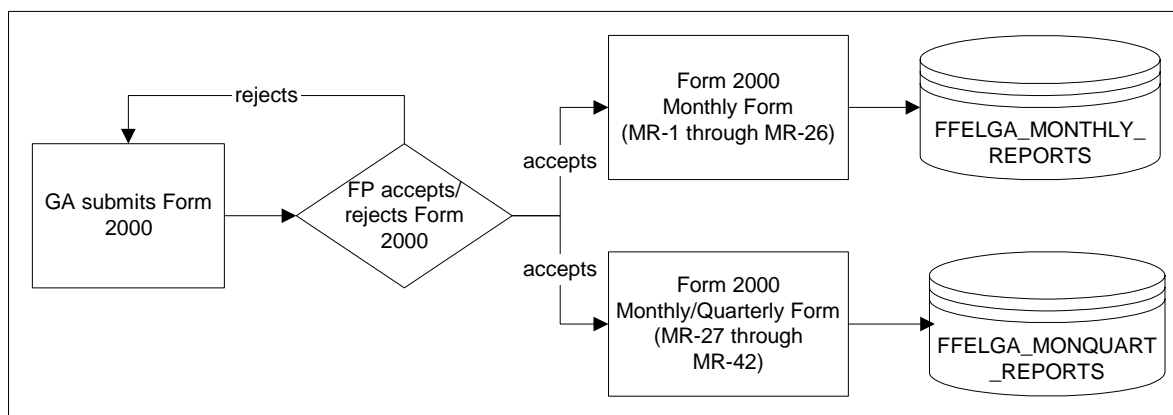
		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

Assumptions:

1. Changes to the Monthly and Monthly/Quarterly forms will be made to the most recent version of the production form code; new forms will not be created.
2. Naming conventions for the fields being added to the Monthly form will be identical to the naming conventions of the fields as they existed on the Monthly/Quarterly form.
3. Forms Builder 4.5 will be used when making modifications to the Monthly and Monthly/Quarterly forms.
4. All validations applying to the MR-24, MR-25, MR-26 fields on the Monthly/Quarterly form will be transferred to the Monthly form. No additional field-specific validations will be needed for the fields once added to the Monthly form.
5. Transfer of Monthly/Quarterly data from the Monthly/Quarterly table to the Monthly table is designed as part of the Monthly/Quarterly form Reconfiguration Conversion Functional Design.
6. As part of the Monthly/Quarterly form Reconfiguration Conversion, data from the Monthly /Quarterly table for MR-24, MR-25 and MR-26 will transfer to the Monthly table. Since the relationship between the tables is not 1:1, the Monthly form will be modified to display NULL values for MR-24, MR-25 and MR-26 when no data is available for those fields.
7. The fiscal year begins on October 1.
8. Custom FSA Oracle reports referencing MR-24, MR-25, and MR-26 will be modified, as part of a separate enhancement, to display these fields on the Monthly form, as well as pull MR-24, MR-25, MR-26 data from the Monthly table.
9. Oracle Discover reports affected by the enhancement will be modified by the FMS Operations team. The FMS Form 2000 team will provide transition documentation prior to deployment into production.
10. The Federal Receivables Edit on the Monthly/Quarterly form will be modified to incorporate the change in table reference for the MR-24, MR-25, and MR-26 fields; this is the only edit validation affected by the Form 2000 modifications.

Design

Process Flow Diagram:





Prepared by: Kim Olszewski

Date:
October 28, 2003

Subject:
Monthly/Quarterly Form Reconfiguration
TO 149 – Form 2000 System Enhancements
Version: 1.0

Detailed Description of New/Changes to Existing Program:

Form 2000 Report Layout Modifications:

The Monthly and Monthly/Quarterly layouts below are samples, and may appear slightly different once developed.

The Form 2000 Monthly Report will be altered to reflect the sample below:

Item No	Category Detail	Amount Due To/(From) Guarantor	Principal Amount	Interest Amount	Other Amount
MR-1	Claims Paid	2,406,006.68			
MR-1.A	Defaults-Net		1,861,229.01		1,919,453.68
MR-1.B	Exempt/Lender of Last Resort		0.00		
MR-1.C	Death/Disability		210,017.31		
MR-1.D	Closed School/False Certificat		0.00		
MR-1.E	Bankruptcy		401,790.36		
MR-1.F	Unpaid Refunds		0.00		
MR-1.G	Discharges		4,250.00		
MR-2	Borrower Payment Return (Clc	0.00	0.00	0.00	0.00
MR-3	Status Changes	2,000.90			
MR-3.A	Death/Disability		50.29	3.96	
MR-3.B	Closed School/False Certificat		0.00	0.00	
MR-3.C	Bankruptcy		1,765.41	173.32	
MR-4	TOP Overpayments	15,597.32	15,597.32	0.00	0.00
MR-5	Repurchases - CFY	64,071.32			
MR-5.A	Defaults		58,496.93	0.00	0.00
MR-5.B	Exempt/Leader of Last Resort		0.00		0.00
MR-5.C	Death/Disability		0.00		0.00
MR-5.D	Closed School/False Certificat		0.00		0.00
MR-5.E	Bankruptcy		5,574.39		0.00
MR-6	Repurchases - PFY	235,257.33			
MR-6.A	Defaults		0.00	0.00	0.00
MR-6.B	Exempt/Leader of Last Resort		0.00		0.00
MR-6.C	Death/Disability		0.00		0.00
MR-6.D	Closed School/False Certificat		0.00		0.00
MR-6.E	Bankruptcy		235,257.33		0.00
MR-7	Partial Refunds - CFY	3,505.27			
MR-7.A	Defaults		3,200.32		
MR-7.B	Exempt/Leader of Last Resort		0.00		
MR-7.C	Death/Disability		214.62		
MR-7.D	Closed School/False Certificat		0.00		
MR-7.E	Bankruptcy		90.33		
MR-8	Partial Refunds - PFY	62.49			
MR-8.A	Defaults		0.00		
MR-8.B	Exempt/Leader of Last Resort		0.00		
MR-8.C	Death/Disability		0.00		
MR-8.D	Closed School/False Certificat		0.00		
MR-8.E	Bankruptcy		62.49		
MR-9	Overstated Claims	2,825.14			
MR-9.A	Defaults		0.00		
MR-9.B	Exempt/Leader of Last Resort		0.00		
MR-9.C	Death/Disability		0.00		
MR-9.D	Closed School/False Certificat		0.00		
MR-9.E	Bankruptcy		2,825.14		
MR-10	Rehabilitated Loan Refund	183,544.19	183,544.19		
MR-10.A	Rehabilitated Loans		41,663.39	9,467.79	43,414.98
MR-11	FFEL Consolidation Refund	3,222.50	3,209.68	12.82	
MR-11.A	FFEL Consolidation - Payoff		3,275.18	13.00	
MR-11.B	FFEL Consolidation - GA Reter		65.50	0.26	600.32
MR-12	GA Administrative Wage Garn	42,573.52	17,002.97	17,814.74	7,755.81
MR-12.A	Administrative Wage Garnishu		22,831.96	23,865.52	10,399.07
MR-12.B	Administrative Wage Garnishu		5,820.59	6,050.70	2,644.06
MR-13	Default Collections	150,777.57	66,592.47	64,997.00	27,188.02
MR-13.A	Default Collections - Total Coll		90,220.10	07,460.01	36,701.09
MR-13.B	Default Collections - GA Reten		23,627.71	22,471.73	9,513.02
MR-14	Bankruptcy Collections	20,677.68	15,020.01	12,270.57	1,306.30
MR-15	Late Reporting Interest	0			
MR-16	Total	1,781,087.97			
Non-Payment Activity					
Treasury Offset Program					
MR-17	Treasury Offset		660,745.79	175,441.68	325.33
MR-18	Non-Federal Share Offset		15,998.55	3,501.42	0.00
MR-19	Treasury Offset Reversals		1,015.31	4,747.67	0.00
Status Changes - Account Balance at Conversion					
MR-20	Default/Lender of Last Resort t		6,048.74	1,666.82	1,595.66
MR-21	Default/Lender of Last Resort t		0.00	0.00	0.00
MR-22	Default/Lender of Last Resort t		7,047.20	7,047.20	16,668.91
MR-23	Bankruptcy to Default/Lender t		122,900.59	14,500.77	34,616.75
Agency Accruals					
MR-24	Collection Terminations		0.00	0.00	0.00
MR-25	Compromises		0.00	0.00	0.00
MR-26	Agency Accruals			22,010.07	195,675.56

The Monthly Report will be modified to add new fields.

An “Agency Accruals” subheading field will be added to the bottom of the existing Monthly form. This subheading will appear as part of the Non-Payment Activity section of the form.

Below the “Agency Accruals” subheading, the following fields will be added:

- MR-24
 - Item Number(Default value “MR-24”)
 - Category Detail(Default to “Collection Terminations”)
 - Principal Amount
 - Interest Amount
 - Other Amount
- MR-25
 - Item Number(Default value “MR-25”)
 - Category Detail(Default to “Compromises”)
 - Principal Amount
 - Interest Amount
 - Other Amount
- MR-26
 - Item Number(Default value “MR-26”)
 - Category Detail(Default to “Agency Accruals”)
 - Interest Amount
 - Other Amount

The font display for these fields will be identical to the other fields already on the form. Field widths and heights will also be directly proportional to the fields already on the form. Character fields will be left aligned and number fields will be right aligned. The fields will be developed to allow NULL values when querying historical data.



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

The Form 2000 Monthly/Quarterly Report will be altered to resemble the display below:

Item No	Category Detail	Amount DueTo/(From) Guarantor	Principal Amount	Interest Amount	Other Amount
Non-Payment Activity					
Agency Accruals					
MR-27	Default FFEL Consolidated by		1,194,668.90	132,018.95	245,831.10
MR-28	Subrogated Loans		17,520.36	7,753.24	4,724.57
MR-29	Default Loans Transferred Out		0.00	0.00	0.00
MR-30	Default Loans Transferred In		0.00	0.00	0.00
MR-31	Other Transactions Affecting F		-15,540.40	-3.44	-4,963.25
MR-32	Ending Balance on Defaulted		67,280,661.09	9,847,553.94	15,327,297.08
Delinquency by Debt					
MR-33	Not Delinquent		9,276,064.19	866,097.59	
MR-34	1 - 90 days		9,612,989.98	1,069,707.45	
MR-35	91 - 180 days		2,410,832.73	276,324.82	
MR-36	181 - 365 days		2,956,341.57	381,396.10	
MR-37	1 - 2 years		14,239,054.51	654,093.26	
MR-38	2 - 6 years		22,663,462.33	3,414,848.06	
MR-39	6 - 10 years		5,051,949.07	2,332,813.78	
MR-40	Over 10 years		1,069,966.71	852,272.88	
Bankruptcy					
MR-41	Ending Balance on Bankruptci		13,536,868.03	387,201.70	634,453.27
MR-42	Bankruptcies Transferred		0.00	0.00	0.00

The Monthly/Quarterly form modifications consist of the following fields being removed from the Monthly/Quarterly form:

- MR-24
 - Item Number
 - Category Detail
 - Principal Amount
 - Interest Amount
 - Other Amount
- MR-25
 - Item Number
 - Category Detail
 - Principal Amount
 - Interest Amount
 - Other Amount
- MR-26
 - Item Number
 - Category Detail
 - Interest Amount
 - Other Amount

The existing “Agency Accruals” subheading will remain on the Monthly/Quarterly form, and the remaining fields will shift to the top of the form.

Form 2000 Trigger Transfer

Since triggers exist on the MR-24, MR-25, and MR-26 fields on the Monthly/Quarterly form, these triggers will be transferred to the Monthly form. The following types of triggers exist for each MR-24, MR-25, and MR-26 field:

- POST-TEXT-ITEM: This trigger populates the Principal, Interest, and Other fields with a zero value, if the field is null. When transferred, this trigger should be altered to allow NULL data to be displayed.
- WHEN-NEW-ITEM-INSTANCE: Trigger to clear any data from the form fields when a new report is created.
- WHEN-VALIDATE-ITEM: Validation to allow zero values. No changes necessary.

The trigger naming conventions and development standard will remain identical to the standards of the Monthly/Quarterly form.



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

Form 2000 Table References

Since this enhancement will enable MR-24, MR-25, and MR-26 fields to reside in the Monthly table, FFELGA_MONTHLY_REPORTS, the form code will be altered to reflect this change. Any reference to the MR-24, MR-25, or MR-26 fields in triggers or program units will be updated to look for the information on the Monthly table, instead of the Monthly/Quarterly table, FFELGA_MONQUART_REPORTS. For the Monthly/Quarterly form, code specific to the MR-24, MR-25, and MR-26 fields, with the exception of that which is included in form calculations, will be removed from the form. Any references to the MR-24, MR-25, or MR-26 fields that are removed from the Monthly/Quarterly form will be inserted into the Monthly form. Below is a listing of the components that will be altered:

Monthly/Quarterly Form

- Program Units containing MR-24, MR-25, and MR-26 references that will be modified:
 - SFA_REASON_CHECK.QUARTERLY_EDITS_SUBMIT
 - SFA_REASON_CHECK.QUARTERLY_EDITS_WARN
 - SFA_ASSIGN_VALUES.SFA_DIS
 - SFA_GA_ACTION.GA_SUB
 - SFA_MON.INSERT_ROW
 - SFA_MON.INSERT_ROW_SUB
 - SFA_MON.LOCK_ROW
 - SFA_MON.UPDATE_ROW
 - SFA_MON.UPDATE_ROW_SUB
 - SFA_SET_PRO.GA_OFF
 - SFA_SET_PRO.GA_ON
- Items that will be removed:
 - C_MR_24
 - C_MR_25
 - C_MR_26
 - MR_24
 - MR_25
 - MR_26
 - MR24_P
 - MR24_I
 - MR24_O
 - MR25_P
 - MR25_I
 - MR25_O
 - MR26_I
 - MR26_O



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

Monthly Form

- Program Units containing MR-24, MR-25, and MR-26 references that will be modified:
 - SFA_ASSIGN_VALUES.SFA_DIS
 - SFA_GA_ACTION.GA_SUB
 - SFA_MON.INSERT_ROW
 - SFA_MON.INSERT_ROW_SUB
 - SFA_MON.LOCK_ROW_3
 - SFA_MON.UPDATE_ROW
 - SFA_MON.UPDATE_ROW_SUB
 - SFA_REASON_CHECK.CHECK_MRS
 - SFA_SET_PRO.GA_OFF
 - SFA_SET_PRO.GA_ON
- Items that will be created:
 - MR_24_T
 - C_MR_24
 - C_MR_25
 - C_MR_26
 - MR_24
 - MR_25
 - MR_26
 - MR24_P
 - MR24_I
 - MR24_O
 - MR25_P
 - MR25_I
 - MR25_O
 - MR26_I
 - MR26_O

Menu:

The Oracle Applications navigation path will remain the same for both the Monthly and Monthly/Quarterly forms.



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

Database Objects:

Database Object Name	Object Type	Oracle Application	Comments

Data/Control Objects:

Block Name/Region Name	Field Name	Object Name	Object Properties	Dependencies (Data and Control)	Table Name/Column Name	Functional Notes / Calculations / Translations	Comments
SFAMON - Block	MR_24_T	Item	Display Item			Initial Value: 'Agency Accruals'	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form.
SFAMON - Block	C_MR_24	Text Item	Text Item Display Only			Initial Value: 'Collection Terminations'	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.
SFAMON - Block	C_MR_25	Text Item	Text Item Display Only			Initial Value: 'Compromises'	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.



Subject: Monthly/Quarterly Form Reconfiguration
TO 149 – Form 2000 System Enhancements
Version: 1.0

Prepared by: Kim Olszewski

Date:
October 28, 2003

SFAMON - Block	C_MR_26	Text Item	Text Item Display Only			Initial Value: 'Agency Accruals'	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.
SFAMON - Block	MR_24	Text Item	Text Item Display Only			Initial Value: 'MR-24'	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.
SFAMON - Block	MR_25	Text Item	Text Item Display Only			Initial Value: 'MR-25'	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.



Subject: Monthly/Quarterly Form Reconfiguration
TO 149 – Form 2000 System Enhancements
Version: 1.0

Prepared by: Kim Olszewski

Date:
October 28, 2003

SFAMON - Block	MR_26	Text Item	Text Item Display Only			Initial Value: 'MR-26'	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.
SFAMON - Block	MR24_P	Item	Text Item		FFELGA_MONTHLY_REPORTS/MR_24_P	Updateable	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.
SFAMON - Block	MR24_I	Item	Text Item		FFELGA_MONTHLY_REPORTS/MR_24_I	Updateable	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

SFAMON - Block	MR24_O	Item	Text Item		FFELGA_MONTHLY_REPORTS/MR_24_O	Updateable	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.
SFAMON - Block	MR25_P	Item	Text Item		FFELGA_MONTHLY_REPORTS/MR_25_P	Updateable	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.
SFAMON - Block	MR25_P	Item	Text Item		FFELGA_MONTHLY_REPORTS/MR_25_P	Updateable	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.
SFAMON - Block	MR25_I	Item	Text Item		FFELGA_MONTHLY_REPORTS/MR_25_I	Updateable	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.



Subject: Monthly/Quarterly Form Reconfiguration
TO 149 – Form 2000 System Enhancements
Version: 1.0

Prepared by: Kim Olszewski

Date:
October 28, 2003

SFAMON - Block	MR25_O	Item	Text Item		FFELGA_MONTHLY_REPOS/MR_25_O	Updateable	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.
SFAMON - Block	MR26_I	Item	Text Item		FFELGA_MONTHLY_REPOS/MR_26_I	Updateable	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.
SFAMON - Block	MR26_O	Item	Text Item		FFELGA_MONTHLY_REPOS/MR_26_O	Updateable	Item properties should be identical to the existing item properties on the SFAMQRT block on Monthly/Quarterly form. Once this item and all associated code are created on the SFAMON form, the item should be removed from the SFAMQRT block on Monthly/Quarterly form.
SFAMON - Block	MR24_P (MR-24 Principal)	POST_TEXT_ITEM	Trigger to populate new records with a 0 value if the field is null	Only should fire if the form is not in query mode.	FFELGA_MONTHLY_REPOS/MR_24_I	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR24_I (MR-24 Interest)	POST_TEXT_ITEM	Trigger to populate new records with a 0 value if the field is null	Only should fire if the form is not in query mode.	FFELGA_MONTHLY_REPOS/MR_24_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

SFAMON - Block	MR24_O (MR-24 Other)	POST_TEX T_ITEM	Trigger to populate new records with a 0 value if the field is null	Only should fire if the form is not in query mode.	FFELGA_MO NTHLY_REPO RTS/MR_24_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR25_P (MR-25 Principal)	POST_TEX T_ITEM	Trigger to populate new records with a 0 value if the field is null	Only should fire if the form is not in query mode.	FFELGA_MO NTHLY_REPO RTS/MR_25_I	Trigger code already exists on the SFAMQRT .rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR25_I (MR-25 Interest)	POST_TEX T_ITEM	Trigger to populate new records with a 0 value if the field is null	Only should fire if the form is not in query mode.	FFELGA_MO NTHLY_REPO RTS/MR_25_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR25_O (MR-25 Other)	POST_TEX T_ITEM	Trigger to populate new records with a 0 value if the field is null	Only should fire if the form is not in query mode.	FFELGA_MO NTHLY_REPO RTS/MR_25_O	Trigger code already exists on the SFAMON.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR26_I (MR-26 Interest)	POST_TEX T_ITEM	Trigger to populate new records with a 0 value if the field is null	Only should fire if the form is not in query mode.	FFELGA_MO NTHLY_REPO RTS/MR_26_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR26_O (MR-26 Other)	POST_TEX T_ITEM	Trigger to populate new records with a 0 value if the field is null	Only should fire if the form is not in query mode.	FFELGA_MO NTHLY_REPO RTS/MR_26_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR24_P (MR-24 Principal)	WHEN_NE W_ITEM_I NSTANCE	Trigger to initialize field when a new report is being created.	Fires when creating a new record.	FFELGA_MO NTHLY_REPO RTS/MR_24_I	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

SFAMON - Block	MR24_I (MR-24 Interest)	WHEN_NEW_ITEM_INSTANCE	Trigger to initialize field when a new report is being created.	Fires when creating a new record.	FFELGA_MONTHLY_REPORTS/MR_24_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR24_O (MR-24 Other)	WHEN_NEW_ITEM_INSTANCE	Trigger to initialize field when a new report is being created.	Fires when creating a new record.	FFELGA_MONTHLY_REPORTS/MR_24_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR25_P (MR-25 Principal)	WHEN_NEW_ITEM_INSTANCE	Trigger to initialize field when a new report is being created.	Fires when creating a new record.	FFELGA_MONTHLY_REPORTS/MR_25_I	Trigger code already exists on the SFAMQRT .rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR25_I (MR-25 Interest)	WHEN_NEW_ITEM_INSTANCE	Trigger to initialize field when a new report is being created.	Fires when creating a new record.	FFELGA_MONTHLY_REPORTS/MR_25_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR25_O (MR-25 Other)	WHEN_NEW_ITEM_INSTANCE	Trigger to initialize field when a new report is being created.	Fires when creating a new record.	FFELGA_MONTHLY_REPORTS/MR_25_O	Trigger code already exists on the SFAMON.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR26_I (MR-26 Interest)	WHEN_NEW_ITEM_INSTANCE	Trigger to initialize field when a new report is being created.	Fires when creating a new record.	FFELGA_MONTHLY_REPORTS/MR_26_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR26_O (MR-26 Other)	WHEN_NEW_ITEM_INSTANCE	Trigger to initialize field when a new report is being created.	Fires when creating a new record.	FFELGA_MONTHLY_REPORTS/MR_26_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

SFAMON - Block	MR24_P (MR-24 Principal)	WHEN_VALIDATION_DATE_ITEM	Trigger to allow 0 values to be entered in the field.	Fires when focus is leaving field.	FFELGA_MONTHLY_REPORTS/MR_24_I	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR24_I (MR-24 Interest)	WHEN_VALIDATION_DATE_ITEM	Trigger to allow 0 values to be entered in the field.	Fires when focus is leaving field.	FFELGA_MONTHLY_REPORTS/MR_24_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR24_O (MR-24 Other)	WHEN_VALIDATION_DATE_ITEM	Trigger to allow 0 values to be entered in the field.	Fires when focus is leaving field.	FFELGA_MONTHLY_REPORTS/MR_24_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR25_P (MR-25 Principal)	WHEN_VALIDATION_DATE_ITEM	Trigger to allow 0 values to be entered in the field.	Fires when focus is leaving field.	FFELGA_MONTHLY_REPORTS/MR_25_I	Trigger code already exists on the SFAMQRT .rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR25_I (MR-25 Interest)	WHEN_VALIDATION_DATE_ITEM	Trigger to allow 0 values to be entered in the field.	Fires when focus is leaving field.	FFELGA_MONTHLY_REPORTS/MR_25_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR25_O (MR-25 Other)	WHEN_VALIDATION_DATE_ITEM	Trigger to allow 0 values to be entered in the field.	Fires when focus is leaving field.	FFELGA_MONTHLY_REPORTS/MR_25_O	Trigger code already exists on the SFAMON.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
SFAMON - Block	MR26_I (MR-26 Interest)	WHEN_VALIDATION_DATE_ITEM	Trigger to allow 0 values to be entered in the field.	Fires when focus is leaving field.	FFELGA_MONTHLY_REPORTS/MR_26_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

SFAMON - Block	MR26_O (MR-26 Other)	WHEN_VA LIDATE_IT EM	Trigger to allow 0 values to be entered in the field.	Fires when focus is leaving field.	FFELGA_MO NTHLY_REPO RTS/MR_26_O	Trigger code already exists on the SFAMQRT.rdf form.	Once this trigger is created on the SFAMON file, the trigger should be removed from the SFAMQRT block on Monthly/Quarterly form
-------------------	----------------------------	----------------------------	----------------------------------------------------------------	------------------------------------------	----------------------------------------	---------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------

Dependencies

Dependencies on Other RICE Components:

The Monthly and Monthly/Quarterly Form Reconfiguration Conversion must be completed before the actual form changes can be fully tested.

Dependencies on Other Business Components:

None

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

The Monthly and Monthly/Quarterly form changes cannot be implemented until testing of the Conversion process is completed successfully.

Other Dependencies/Special Concerns:

None



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

Error Handling

Potential Errors	Possible Reasons	Solution Strategy
MR-24-26 values are not stored in the Monthly table.	Most recent version of form is not on the server.	Check the form code, recompile on server and try again.
MR-24-26 fields are not displayed on the Monthly form.	Most recent version of form is not on the server.	Check the form code, recompile on server and try again.
MR-24-26 fields are still displayed on the Monthly/Quarterly form.	Most recent version of form is not on the server.	Check the form code, recompile on server and try again.
Triggers on MR-24-MR-26 do not fire as expected.	Trigger does not correctly reference MR-24-26 fields.	Check the form code, make necessary changes, and recompile code on server.

Testing Requirements

Requirements Matrix Reference	Test Condition	Expected Results
3.1	User accesses the Monthly form.	Monthly form layout meets the design criteria. All fields are accurately displayed.
3.2	User creates a new Monthly report.	All fields on the form are initially populated with a zero.
3.2	User enters values for a new report, but leaves the values for MR-24, MR-25, and MR-26 Null.	The fields are populated with a zero, once the user leaves the fields.
3.3	User enters new values into the Monthly form and submits the report.	Report passes all field edits. MR-24, MR-25, and MR-26 field values are stored in the Monthly data table.
3.3	User queries historical monthly table where MR-24, MR-25, and MR-26 data is not present.	The MR-24, MR-25, and MR-26 fields remain NULL without error.
3.3	User queries historical monthly table where MR-24, MR-25, and MR-26 data is present.	The MR-24, MR-25, and MR-26 data is accurately displayed in the form.
3.1	User accesses the Monthly/Quarterly form.	Monthly/Quarterly form layout meets the design criteria. All fields are accurately displayed; MR-24, MR-25, and MR-26 no longer exist on the form.
3.2	User creates a new Monthly/Quarterly report.	All fields on the form are initially populated with a zero. All fields are properly displayed.
3.3	User enters new values into the Monthly/Quarterly form and submits the report.	Report passes all field edits. Data is loaded into the Monthly/Quarterly table.
3.3	User queries historical records in the Monthly form	Historical data records are accurately retrieved; data is populated in fields MR-24, MR-25, and MR-26



		Subject: Monthly/Quarterly Form Reconfiguration
		TO 149 – Form 2000 System Enhancements
Prepared by: Kim Olszewski	Date: October 28, 2003	Version: 1.0

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
Should MR-24-26 fields with no data be left NULL on the Monthly form, or populated with 0.00.	Kim Olszewski	Leave the fields NULL.	Sandra Simmons 10-29-03